

⑫ **EUROPEAN PATENT APPLICATION**

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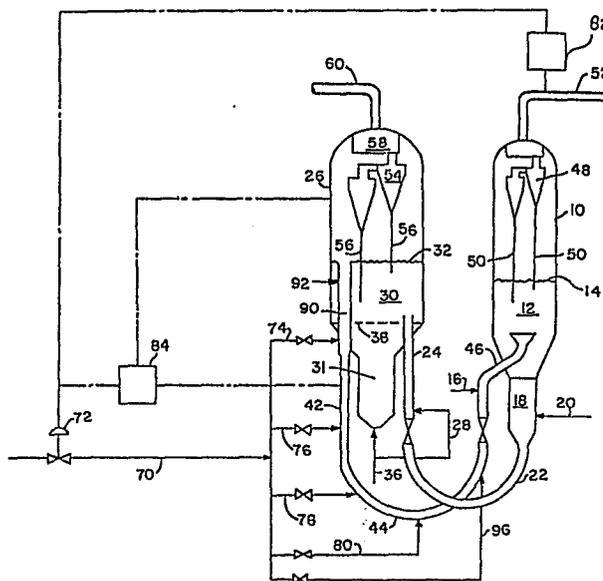
⑧④ Designated Contracting States: **BE DE FR GB IT NL**

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⑤④ **Process for catalytic cracking of metal-contaminated hydrocarbons in which the cracking catalyst is passivated.**

⑤⑦ A process is described for passivating metal contaminants present in hydrocarbon feedstock (16) which contaminants are deposited on cracking catalyst. The process involves contacting the regenerated catalyst from the regeneration zone (30) with H₂-containing gas (70, 74, 76, 78, 80, 96) in the transfer zone (42, 44) communicating with the regeneration zone and the reaction zone (12). The H₂-containing gas may be added at a plurality of spaced apart locations of the transfer zone and preferably passes through a control means (72) which is regulated by a sensor means (82) analyzing a cracked product and/or by a sensor means (84) monitoring the catalyst circulation rate.



EP 0 145 466 A3



DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
A	EP-A-0 070 681 (EXXON) * Claims 1-3; page 10, lines 2-6; page 11, lines 2-17 *	1,6-9	C 10 G 11/18
D,A	--- US-A-4 377 470 (HETTINGER et al.) * Claim 1; column 7, lines 38-52 *	1	
A	--- US-A-3 958 953 (LUCKENBACH) * Claim 1; column 5, lines 30-32 * -----	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			C 10 G B 01 J
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 15-03-1985	Examiner DE HERDT O.C.E.

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
Y : particularly relevant if combined with another document of the same category
A : technological background
O : non-written disclosure
P : intermediate document

T : theory or principle underlying the invention
E : earlier patent document, but published on, or after the filing date
D : document cited in the application
L : document cited for other reasons
& : member of the same patent family, corresponding document